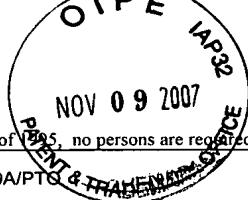


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Application Number	10/597,671
Filing Date	June 4, 2007
First Named Inventor	Omer EINAV et al
Art Unit	1646
Examiner Name	Not Yet Available

Sheet 1 of 4 Attorney Docket Number 34644

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date DD-MMM-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	1	US-2002/0064438	30-May-2002	Osborne Jr.	
	2	US-2004/0172097	02-Sep-2004	Broard et al.	
	3	US-2004/0180768	16-Sep-2004	Almada	
	4	US-2004/0245838	09-Dec-2004	Chiu	
	5	US-2005/0261114	24-Nov-2005	Heitzman et al.	
	6	US-2006/0229164	12-Oct-2006	Einav	
	7	US-2006/0277074	07-Dec-2006	Einav et al.	
	8	US-2006/0293617	28-Dec-2006	Einav et al.	
	9	US-3,919,691	11-Nov-1975	Noll	
	10	US-4,499,900	19-Feb-1985	Petrofsky et al.	
	11	US-4,582,049	14-Apr-1986	Ylvisaker	
	12	US-4,724,842	16-Feb-1988	Charters et al.	
	13	US-4,936,299	26-Jun-1990	Erlanson	
	14	US-5,070,873	10-Dec-1991	Graupe et al.	
	15	US-5,193,539	16-Mar-1993	Schulman et al.	
	16	US-5,193,540	16-Mar-1993	Schulman et al.	
	17	US-5,211,161	18-May-1993	Stef	
	18	US-5,244,441	14-Sep-1993	Dempster et al.	
	19	US-5,269,318	14-Dec-1993	Nashner	
	20	US-5,312,439	17-May-1994	Loeb	
	21	US-5,324,316	28-Jun-1994	Schulman et al.	
	22	US-5,391,128	21-Feb-1995	DeBear	
	23	US-5,397,865	14-Mar-1995	Park	
	24	US-5,405,367	11-Apr-1995	Schulman et al.	
	25	US-5,454,774	03-Oct-1995	Davis	
	26	US-5,466,213	14-Nov-1995	Hogan et al.	
	27	US-5,476,103	19-Dec-1995	Nahsner	
	28	US-5,476,428	19-Dec-1995	Potash et al.	

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Application Number	10/597,671
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Art Unit	1646
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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
29	US-5,662,693	02-Sep-1997	Johnson et al.		
30	US-5,690,389	25-Nov-1977	Ekman et al.		
31	US-5,836,304	17-Nov-1998	Kellinger et al.		
32	US-5,846,086	08-Dec-1998	Bizzi et al.		
33	US-5,919,115	06-Jun-1999	Horowitz et al.		
34	US-5,954,621	21-Sep-1999	Jourtas et al.		
35	US-6,035,465	14-Mar-2000	Rogozinski		
36	US-6,051,017	18-Apr-2000	Loeb et al.		
37	US-6,057,828	02-May-2000	Rosenberg et al.		
38	US-6,061,004	09-May-2000	Rosenberg et al.		
39	US-6,246,200	12-Jun-2001	Blumenkranz et al.		
40	US-6,270,445	07-Aug-2001	Dean Jr. et al.		
41	US-6,478,721	12-Nov-2002	Hunter		
42	US-6,645,126	11-Nov-2003	Martin et al.		
43	US-6,774,885	10-Aug-2004	Even-Zohar		
44	US-6,829,510	07-Dec-2004	Nathan et al.		

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Documents	Publication Date DD-MMM-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
45	JP 02-102652		16-Apr-1990	Yokogawa		
46	EP 0304538		01-Mar-1989	Futakami		
47	EP 0862930		09-Sep-1998	Riva Violetta et al.		
48	JP 11-253504		21-Sep-1999	Aoki		
49	JP 2002-127058		08-May-2002	Kawakami		
50	JP 2003-164544		10-Jun-2003	Yoshihiro et al.		
51	PCT WO 02/092164		21-Nov-2002	Brodrad et al.		
52	PCT WO 02/13673		21-Feb-2002	Kotlik et al.		
53	PCT WO 2004/050172		17-Jun-2004	Koeneman et al.		
54	PCT WO 2005/074369		18-Aug-2005	Einav		
55	PCT WO 2005/074370		28-Aug-2005	Einav		

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First Named Inventor	Omer EINAV et al
Group Art Unit	1646
Examiner Name	Not Yet Available

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	69	Backlife "The Backlife Idea", Product Information, < http://www.backlife.com >, 27 P., 2003.	
	70	Bak "The Complex Motion of Standing Still. Hydraulics, Sensors, and Human Modeling Dsta-Unified by Proprietary Software", < http://www.designnews.com/article/CA73202 >, 5 P., 2001.	
	71	Burgar et al. "Development of Robots for Rehabilitation Therapy: The Palo Alto VA/Stanford Experience", Journal of Rehabilitation Research and Development, 37(6): 663-673, 2000.	
	72	Cameron et al. "Micromodular Implants to Provide Electrical Stimulation of Paralyzed Muscles and Limbs", IEEE Transactions on Biomedical Engineering, 44(9): 781-790, 1997. Abstract.	
	73	Graupe "EMG Pattern Analysis for Patient-Responsive Control of FES in Paraplegics for Walker-Supported Walking", IEEE Transactions on Biomedical Engineering, 36(7): 711-719, 1989. P.711, l-h Col., Paragraph 1 -r-h Col., Paragraph 1, Figs.3, 5, P.716, l-h Col., Figs.	
	74	Messinger "ReAbility Games: Island Hunt Catch'em Patrol Muzment", Detailed Specifications Document, NOKs Technologies, Version 1.0, 16 P., 2004.	
	75	Micromedical "BalanceQuest: Computerized Dynamic Posturography", Micromedical Technologies, < http://www.micromedical.com >, 6 P., 2001.	
	76	Motek "Motek Medical Rehabilitation: Rehabilitation", < http://www.e-motek.com >, 1 P.	
	77	Peasgood et al. "EMG-Controlled Dosed Loop Electrical Stimulation Using A Digital Signal Processor", Electronics Letters, 36(22): 1832-1833, 2000. P.1832, l-h Col., Paragraph 1, Fig.1, P.1833, r-h Col., Paragraph 1.	
	78	Richardson et al. "Comparing Smooth Arm Movement With the Two-Thirds Power Law and the Related Segmented-Control Hypothesis", The Journal of Neuroscience, 22(18): 8201-8211, 2002.	
	79	Viviani et al. "Trajectory Determines Movement Dynamics", The Journal of Neuroscience, 7: 431-437, 1982.	
	80	Viviani et al. "Minimum-Jerk, Two- Thirds Power Law, and Isochrony: Converging Approaches to Movement Planning", Journal of Experimental Psychology: Human Perception and Performance, 17: 32-53, 1995.	
Examiner Signature		Date Considered	

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